

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 20-Nov-14

Time 11:51 PM

**Daily Diary Report by Bid Item**

Contract No.: 04-0120F4

Diary #: 115 Const Calendar Day: 603 Date: 04-May-2011 Wednesday

Inspector Name: Iranmanesh, Abbas Title: Transportation Engineer

Inspection Type: Intermittent

Shift Hours: 07:00 am 05:30 pm Break: 00:30 Over Time: 02:00

Federal ID:

Location:

Reviewer: Boal, Brian

Approved Date: 16-Mar-12 Status: Approved

**04-0120F4  
04-SF-80-13.2/13.9  
Self-Anchored  
Suspension Bridge****Weather**

Temperature 7 AM 50 - 60 12 PM 4PM 70 - 80

Precipitation None

Condition

Working Day ☒ If no, explain:**Diary:**

Dispute

**Work description.**

ABF Crews and Macalloy activities:

The initial pre-tensioning of the south K Hinge of the West line to 5000 psi gage pressure was completed at 10:40 and the full pre-tensioning up to 19000 psi gage pressure started immediately. The elongation at the initial pre-tensioning was measured to be about 5 mm after the full pre-tensioning the total elongation was varied ranging from 16mm to 24mm which was not compatible with the contract plan. Full pre-tensioning of almost one third of the anchor bolts of this hinge was completed.

The following material specifications are based on the tests of Macalloy anchor rods:

Considering 17 mm as the anchor elongation:  $17\text{mm}=0.66929\text{ in}$

$E=191\text{ KN/mm}^2\text{ (}27.7\times 10^6\text{ psi)}$

$L=4.27\text{ m (168.11")}$

For 75mm diameter anchors:  $A=4185\text{ mm}^2\text{ (6.4868 in}^2\text{)}$

$\Delta=PL/AE=0.66929=(P)(168.11)/(6.4868)(27.7\times 10^6)$

$P=715370\text{ lb (715.37Kips) OR (3182 KN)}$

$\text{Sigma}=P/A=715.37/6.4868=110.28\text{ KSI (760.35 Mpa)}$

$\text{Ratio}=760.35/1087=0.70$

It is compatible with 70% of  $F_u$  in the contract plan, then the elongation should not pass maximum of 17 mm.

CONCO crews activities:

The Crews started removing the forms of the East line deviation saddle. The attached pictures show the grout texture.

ABF Crews:

- Jim Benninghov
- Matthew Wistrich
- Mike Rondel
- Charles Middleton
- John Power

Macalloy Crew:

- Jonathan Jackson

CONCO crews:

- Gary Pene



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- Jasmin Gorinjac

ABF & Macalloy Equipments:  
Generator whisperwatt 7000 (ABF# 002343)  
Macalloy pre-tensioning equipments

**04-0120F4      Bid Item: 051      0-000-000.051      ERECT STRUCTURAL STEEL (BRIDGE)**

AMERICAN BRIDGE/FLUOR, A JV

**Labor**

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
<b>Contractor:</b> AMERICAN BRIDGE/FLUOR, A JV								
Ironworker	FOR	JAMES BENNINGHOVE	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	JOHN POWER	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	CHARLES MIDDLETON	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	Mike Randel	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	MATTHEW WISTRICH	8.00	2.00	0.00	10.00		<input type="checkbox"/>

**04-0120F4      Bid Item: 051      0-000-000.051      ERECT STRUCTURAL STEEL (BRIDGE)**

CONCO PUMPING

**04-0120F4      Bid Item: 060      E-W2C-WDS.060      E Line W2 Cap West Deviation Saddle**

CONCO PUMPING

**Labor**

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
<b>Contractor:</b> CONCO PUMPING								
		JASMIN GORINJAC	8.00	0.00	0.00	8.00		<input type="checkbox"/>
		GARY PENE	8.00	0.00	0.00	8.00		<input type="checkbox"/>

**04-0120F4      Bid Item: 060      W-W2C-WDS.060      W Line W2 Cap West Deviation Saddle**

CONCO PUMPING

**Attachment**



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